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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/028,991	12/28/2001	Atsuhiro Sumiya	461-45	3781
75	7590 10/02/2003		EXAMINER	
NIXON & VANDERHYE P.C. 8th Floor			GROUP, KARL E	
1100 North Glebe Road			ART UNIT	PAPER NUMBER
Arlington, VA 22201			1755	
			DATE MAILED: 10/02/2003	

Please find below and/or attached an Office communication concerning this application or proceeding.

		CF				
	Application No.	Applicant(s)				
Office Action Commons	10/028,991	SUMIYA ET AL.				
Office Action Summary	Examiner	Art Unit				
Ti 11411 NO DATE 611	Karl E Group	1755				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	correspondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply secified above, the maximum statutory period work of the period of	6(a). In no event, however, may a reply be tin within the statutory minimum of thirty (30) day ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication, D (35 U.S.C. § 133).				
1) Responsive to communication(s) filed on	<u> </u>					
2a) This action is FINAL. 2b) ⊠ Thi	s action is non-final.					
3) Since this application is in condition for allowa closed in accordance with the practice under <i>b</i> Disposition of Claims						
4)⊠ Claim(s) 1-11 is/are pending in the application.						
4a) Of the above claim(s) <u>1-3,9 and 10</u> is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>4-8 and 11</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or	election requirement.					
Application Papers						
9)⊠ The specification is objected to by the Examiner	•					
10)☐ The drawing(s) filed on is/are: a)☐ accep	ted or b)⊡ objected to by the Exa	miner.				
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
11)☐ The proposed drawing correction filed on is: a)☐ approved b)☐ disapproved by the Examiner.						
If approved, corrected drawings are required in reply to this Office action.						
12) The oath or declaration is objected to by the Exa	aminer.					
Priority under 35 U.S.C. §§ 119 and 120		T				
13)⊠ Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. § 119(a)-(d) or (t).				
a)⊠ All b)□ Some * c)□ None of:						
1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No						
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).						
a) The translation of the foreign language prov 15) Acknowledgment is made of a claim for domestic	• •					
Attachment(s)						
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice of Informal F	(PTO-413) Paper No(s) Patent Application (PTO-152)				
C Detect and Tondemark Office						

U.S. Patent and Trademark Office PTOL-326 (Rev. 04-01)

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Election/Restrictions

1. Restriction to one of the following inventions is required under 35 U.S.C. 121:

- Claims 1-3, drawn to a sintered dielectric, classified in class 501, subclass
 134.
- II. Claims 4-8, drawn to a method of forming, classified in class 264, subclass 614.
- III. Claims 9,10, drawn to an oxide, classified in class 423, subclass 579. The inventions are distinct, each from the other because of the following reasons:
- 2. Inventions I and II are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case the product may be made by oxidizing a lead-tungsten compound and adding.
- 3. Inventions I and III are related as mutually exclusive species in an intermediate-final product relationship. Distinctness is proven for claims in this relationship if the intermediate product is useful to make other than the final product (MPEP § 806.04(b), 3rd paragraph), and the species are patentably distinct (MPEP § 806.04(h)). In the instant case, the intermediate product is deemed to be useful as a polishing compound and the inventions are deemed patentably distinct since there is nothing on this record to show them to be obvious variants. Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such

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evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions anticipated by the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

- 4. Inventions II and III are related as product and process of use. The inventions can be shown to be distinct if either or both of the following can be shown: (1) the process for using the product as claimed can be practiced with another materially different product or (2) the product as claimed can be used in a materially different process of using that product (MPEP § 806.05(h)). In the instant case the product may be used as a polishing compound in a polishing process.
- 5. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art because of their recognized divergent subject matter, restriction for examination purposes as indicated is proper.
- 6. During a telephone conversation with Larry Nixon on September 22, 2003 a provisional election was made with traverse to prosecute the invention of group II, claims 4-8,11. Affirmation of this election must be made by applicant in replying to this Office action. Claims 1-3,9,10 withdrawn from further consideration by the examiner, 37 CFR 1.142(b), as being drawn to a non-elected invention.
- 7. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim

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remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Specification

- 8. The abstract of the disclosure is objected to because the abstract must be only one paragraph. Correction is required. See MPEP § 608.01(b).
- 9. The disclosure is objected to because of the following informalities: The compound $Pb_{0.825}$ $WO_{0.165}$ $O_{1.23}$ is confusing because the Oxygen is recite twice and does not appear with another element.

Appropriate correction is required.

Claim Rejections - 35 USC § 112

10. Claims 4-8,11 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 4 lacks an active process step clearly defining the meets and bounds of the claims. The mere "using" of an element does not define a process step Claims 6 and 11 the terminology ""the process" and "the stock mixture" lack antecedent basis.

Claim 7 "the production process" lacks antecedent basis.

Claim 8, "the stock powder or calcined powder" lack antecedent basis. Also it is not clear what the lamination is being calcined at the same time as what. Also the claim fails to have a period.

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Claim Rejections - 35 USC § 102

11. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 12. Claims 4-8,11 are rejected under 35 U.S.C. 102(b) as being anticipated by Yasumoto et al (4,772,985).

See examples 12, 14, 25,27,31,34-3841,42,4649,65,67, which fall squarely within the scope of the claims. The PbO and WO₃ compound is presintered and added to the dielectric (column 6, lines 17-26. The claims are considered anticipated.

Conclusion

- 13. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.
- 14. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Karl E Group whose telephone number is 703-308-3821. The examiner can normally be reached on M-F (6:30-4:00) First Friday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Bell can be reached on 703-308-3823. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0661.

Karl E Group Primary Examiner Art Unit 1755

Keg 9-22-03